ENAV23-12.2.3

# Introduction

IMO’s definition of e-navigation requires the harmonized exchange of information between ship and shore in a digital format [SIP] as maritime services. Over the last e-navigation IALA sessions, operational requirements for maritime services have been identified. Although these requirements still need to be refined, specifications of associated technical services should be developed in order to implement these maritime services.

IMO E-navigation implementation strategy covers five different solutions (S1 to S5) while this working group focusing on S5. The fifth solution S5 makes sure that the shore-based information from ports, VTSs and other service providers to ships is harmonised and standardized around the world. This includes inter alia a set of maritime services providing information between ships and shore, common maritime data structure, Maritime Resource Name (MRN).

The harmonization of e-navigation technical services was previously carried out by the Harmonization Technical Working Group. Following the restructuring of the E-navigation Committee, the new Digital Information System Working Group is aimed to continue the harmonization of e-navigation and recommendations and guidelines for digital information systems for e-navigation and other purposes; and, further harmonize the efforts with other ENAV working groups as well as with all IALA Committees in order to meet the stakeholders’ operational requirements.

# Terms of reference

The Working Group, taking into account the work carried out by the IMO, IHO, the Harmonization Working Group and the ENAV Services Working Group of the previous e-Navigation Committee, the input papers submitted to the Committee and the comments made and decisions taken in plenary, is instructed to:

1. provide guidance on the description of “Maritime Services in the Context e-Navigation” (MS);
2. provide harmonization in the development of data models, technical services and platforms within IALA and international organizations in agile ways, and that includes Marine Resource Naming (MRN) for identity management;
3. develop IALA documents and specifications on the principles of common maritime data structure (CMDS), maritime services, e-navigation technical services and platforms;
4. review and maintain existing IALA documents on data structure, e-Navigation maritime services, technical services and platforms as well as MRN and update if necessary;
5. develop S-2xx Product Specifications which are relevant to the work of the committee;
6. provide guidance on cyber security within the implementation of Maritime Services (MS);
7. organize workshops, seminars in support on these matters, as necessary;
8. work with other Working Groups and liaise with other committees, when necessary; and
9. submit a written report to plenary at the end of each session.